

DEVAL L. PATRICK GOVERNOR TIMOTHY P. MURRAY LIEUTENANT GOVERNOR JUDYANN BIGBY, MD SECRETARY

JOHN AUERBACH COMMISSIONER

## The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

07/25/2011

Andrius Knasas Assistant District Attorney, Suffolk County

Dear ADA Knasas,

Enclosed is the information you requested in regards to Commonwealth vs.

Included are copies of the following:

- 1. Curriculum Vitae for Annie Dookhan, & Lisa Glazer.
- 2. Drug Analysis Laboratory Receipt.
- 3. Control Cards with analytical results for samples #

4. Analysis sheets with custodial chemist's hand notations and test results.

5. GC/Mass Spectral analytical data for samples #

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Lisa Glazer was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

Annie Dookhan

Chemist II

Drug Analysis Lab

Jamaica Plain, MA. 02130

(617) 983-6631

#### Curriculum Vitae

#### Annie Khan (Dookhan)

#### Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- \*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- \*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- \*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- \*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- \*Maintenance and repairs of all analytical instruments.
- \*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- \*Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- \*Notary Public.
- \*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 - 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- \*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- \*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs).
- \*Trained and supervised new chemists and interns for the department.
- \*Routine QC testing of products for the FDA.
- \*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- \*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- \*Complete testing of chemicals for Vendor Validation Project for the FDA.
- \*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

#### Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

## Curriculum Vitae

Lisa A. Glazer

### Education

Bachelor of Science Degree, CHEMISTRY January 2006 UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Bachelor of Science Degree, FORENSIC SCIENCE January 2006 UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus, Biology, Criminal Justice and Forensic Science courses

### Employment -

Chemist I, II State Laboratory Institute (May 2007-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- > Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2007.

#### Laboratory Technician I (August 2006 – May 2007)

University of Connecticut Chemistry Department - Storrs, CT

- Prepared unknowns, chemical reagents and supplies for undergraduate chemistry courses
- > Set-up experiment demonstrations
- > Properly disposed of hazardous waste from the experiments
- > Made sure labs were being conducted safely
- > Kept track of student laboratory paperwork, inventoried glassware and chemicals and helped clean glassware

Intern (September 2005 – November 2005)

CONNECTICUT STATE POLICE FORENSIC LABORATORY - Meriden, CT

- > Worked on a Pyrolysis Gas Chromatography project
- Observed in the GSR testing, Forensic Biology, DNA, Questioned Documents, Black and White Photo, Latent Prints, Firearms, Trace Evidence and Color Photo Units



BOSTONFORCE	сс #_ воок # <i>/3<sup>-</sup>3</i>		**************************************			
DRUG RECEIPT	PAGE # /9/ 4 /86					
	DESTRUCTION #		***************************************			
District/Unit 8-2	<u> </u>					
Name & Rank of Arresting Officer Jet Marre	ro, P.O. 3 Dodd & Go,	Wen 10# /18/	<i>Y</i>			
Eddic Junes 522	BHA #12	Roy	MA			
DEFENDANT'S NAME	ADDRESS	CITY	STATE			
		1 Rox	144			
		Dochester	MA			
		Loxbury	MA			
		LABUS	E ONLY			
DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	GROSS WEIGHT	ANALYSIS NUMBER			
rack locaine	8 Small 1/6	1 9.15 pm				
ack Cocaine SUB 18P	19 Small	7.20 pm				
MATHORAG CRACK CARA	e 1916	15:45 m				
CRACK	2 P/B	4.38 m				
MARIJUANA	1/15	27.17pm				
<u>"</u>	1//////////////////////////////////////	6.66 gr				
<i>j.</i> Ć	Loose	4,29 pm				
			1848 - Maria (1860)			
To be completed by ECU personnel only	$\alpha$					
Name and Rank of Submitting Officer	Hun John	ID# <u>93</u>	70			
Received by	<b>/</b> /	Date 4, 2	9.11			
		FCU Control #				

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SAMPLE#	_ AGENCY_	BOSTO		ANALYST	ASS
No. of samples tested:	<b></b>		E	vidence Wt.	
PHYSICAL DESCRIPTION:			Gros	s Wt ( &):	. 8396
of white ch	uning sil	3040C	Gros	s Wt ( ):	
	11 800			Pkg. Wt:	
				Net Wt:	
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Froehde's			1-111-7	IER TESTS	or with the transport of the transport o
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DATE 3.24-11	_	OPEF	MS RATOR	( P) (e	**************************************
			DATE	2-31-11	

# # samples tested: 8

#	Gross Welght	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Welght
1	0.2384		0.1819	26			777 G.
2	0.2118		0.1601	27			
3	0.2579		0.1796	28			
4	0.2749		0.2014	29			
5	0.2149		0.1779	30			
6	0.2027		0.1631	31			This head the marken realize account.
7	0.2209		0.1764	32			·
8	0.2230	/ \	0.1771.	33	-0+7+7-fare-1//-thensesses		, , , , , , , , , , , , , , , , , , ,
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10				35			
11				36			
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16	eacher assasses where Whommon monnon management was	MANAGEMENT AND		41			connected the second connected to the second connected
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22				47			
23			:	48			24444
24		-		49			
25	lations:			50			

Calculations:

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SAMPLE # AGENCY AGENCY	Boston ANALYST AS 7  Evidence Wt.
PHYSICAL DESCRIPTION:	Gross Wt ( ): 3.4392 Gross Wt ( ):
muse church susses	Pkg. Wt: 1.9329
PRELIMINARY TESTS Spot Tests	Microcrystalline Tests
Cobalt Thiocyanate ( +)	Gold Chloride <u></u>
Marquis	TLTA ( +)
Froehde's	OTHER TESTS
Mecke's	
PRELIMINARY TEST RESULTS	GC/MS CONFIRMATORY TEST
RESULTS woone	RESULTS Cocacie
DATE	MS OPERATOR CAG
	DATE 5-31-11

SAMPLE#	AGENCY 805400	ANALYST	924
No. of samples tested:			
	1,0 1 62 cyrula 20074 24	Gross Wt():_ Pkg. Wt:_	11. 3312
	loose	net	wr= 11.5460
PRELIMINARY TESTS Spot Tests	•	Microcrystalline Tes	ts
Cobalt Thiocyanate <u>(ー</u> ) ナ		Gold Chloride +	
Marquis	**************************************	TLTA <u>( ~) →</u>	mh
Froehde's		OTHER TESTS	•
PRELIMINARY TEST RESULT	r <u>s</u>	GC/MS CONFIRMATORY	TEST
RESULTS Cocare		RESULTS Coccu	<u></u>
DATE 5-24-11	·	MS PERATOR CAC	<del></del>

SAMPLE# AGENCY	BOSTED ANALYST AND
No. of samples tested:	Evidence Wt.
PHYSICAL DESCRIPTION:	Gross Wt ( 고): 0 · 699 )
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(1 5 bp?	
	Net Wt:
PRELIMINARY TESTS	
Spot Tests	Microcrystalline Tests
Cobalt Thiocyanate ( -) ->	Gold Chloride +
v Marquis	∠ TLTA ( →) →
2 Froehde's	
V Mecke's	OTHER TESTS
Wookes	
PRELIMINARY TEST RESULTS	GC/MS CONFIRMATORY TEST
RESULTS COCCUPE	RESULTS (UCALLE
DATE	MS OPERATOR E S
	DATE 5-31-11

# # samples tested; 2

#	Gross Welght	Packet Weight	Net Welght	#	Gross Welght	Packet Weight	Net Welght
1	0.3093		0.2510	26			
2	0.3896	$\perp \times$	0.2782	27		4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
3				28			
4		***************************************		29			٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠
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7				32			
8				33			
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12				37			
13				38			
14	-			39			5-000-00000000000000000000000000000000
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16		·		41			
17				42	· · · · · · · · · · · · · · · · · · ·		
18				43			
19	1,00411000001			44			
20				45			
21			**************************************	46			
22				47			
23				48			
24			190001999999	49			
25	lations:			50			

Calculations:

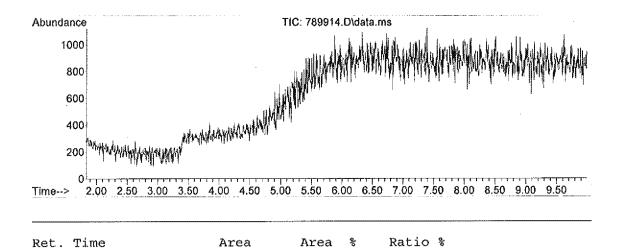
Ne+w+ = 0.5292

File Name : C:\msdchem\1\System7\05\_26\_11\789914.D

Operator : ASD

: 26 May 2011 21:31 Date Acquired

Sample Name : BLANK Submitted by : ASD Vial Number 1 AcquisitionMeth: DRUGS.M Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

Page 1 /7/30/11 PU

### Area Percent / Library Search Report

Information from Data File:

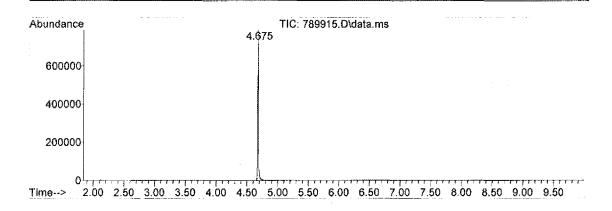
File Name : C:\msdchem\1\System7\05\_26\_11\789915.D

Operator : ASD

Date Acquired : 26 May 2011 21:43

Sample Name : COCAINE STD

Submitted by : ASD
Vial Number : 15
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.675	712105	100.00	100.00

File Name : C:\msdchem\1\System7\05 26 11\789915.D

Operator : ASD

PK#

RT

Date Acquired : 26 May 2011 21:43

Sample Name : COCAINE STD

Submitted by : ASD Vial Number : 15 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

L Minimum Quality: 80 05a.L Minimum Quality: 80

C:\Database\NIST05a.L

C:\Database\PMW TOX2.L

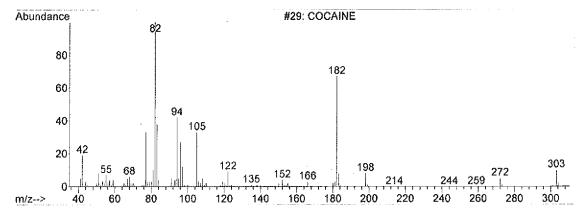
Library/ID CAS# Qual

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COCAINE

000050-36-2 99

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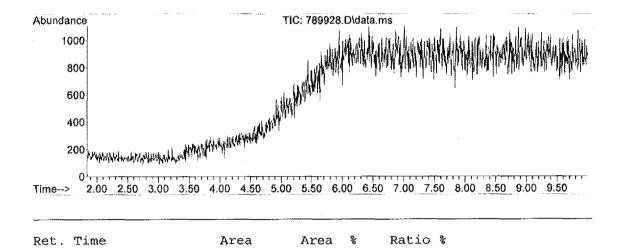


File Name : C:\msdchem\1\System7\05\_26\_11\789928.D

Operator : ASD

Date Acquired : 27 May 2011 00:25

Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

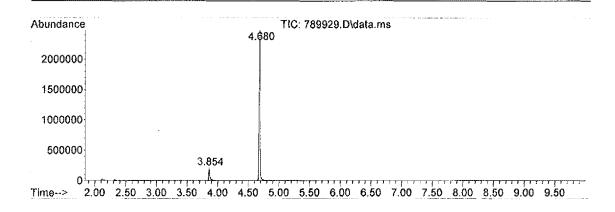
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Operator : ASD

Date Acquired : 27 May 2011 00:37

Sample Name :

Submitted by : ASD
Vial Number : 29
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
3.854 4.680		10.23 89.77		

File Name : C:\msdchem\1\System7\05\_26\_11\789929.D

Operator : ASD

Date Acquired 27 May 2011 00:37

Sample Name Submitted by : ASD Vial Number 29

AcquisitionMeth: DRUGS.M Integrator : RTE

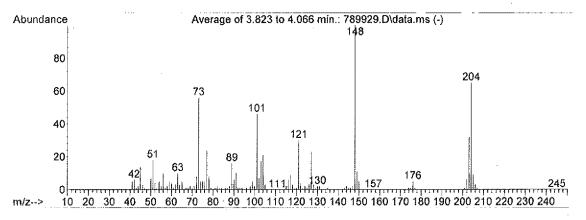
Search Libraries: C:\Database\SLI.L

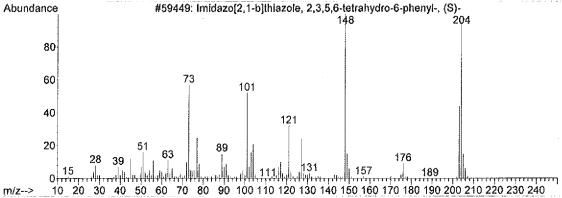
Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST05a.L

C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID		CAS#	Qual
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File Name : C:\msdchem\1\System7\05\_26\_11\789929.D

Operator : ASD

Date Acquired : 27 May 2011 00:37

Sample Name : Submitted by : ASD

Submitted by : ASD Vial Number : 29 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

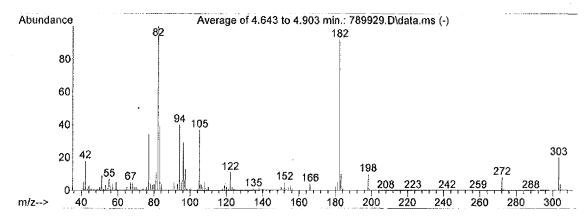
C:\Database\PMW\_TOX2.L

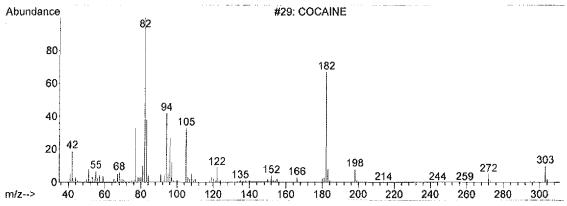
PK# RT Library/ID CAS# Qual

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COCAINE

000050-36-2 99



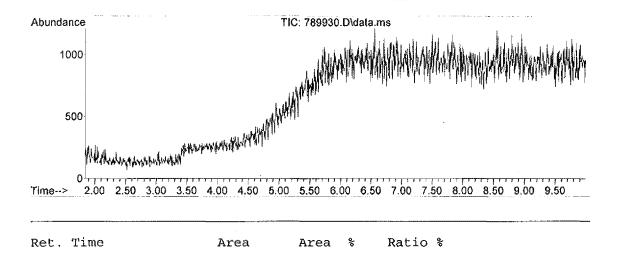


File Name : C:\msdchem\1\System7\05\_26\_11\789930.D

Operator : ASD

Date Acquired : 27 May 2011 00:50

Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

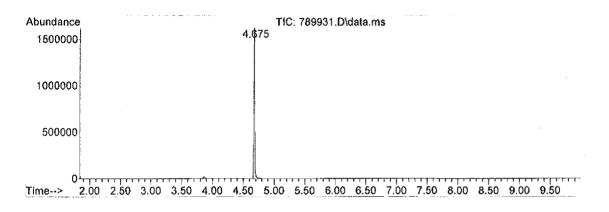
File Name : C:\msdchem\1\System7\05 26 11\789931.D

Operator : ASD

Date Acquired : 27 May 2011 1:02

Sample Name : Submitted by : ASD

Submitted by : ASD
Vial Number : 31
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.675	1716507	100.00	100.00

File Name : C:\msdchem\1\System7\05 26 11\789931.D

Operator : ASD

Date Acquired : 27 May 2011 1:02

Sample Name :

Submitted by : ASD
Vial Number : 31
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

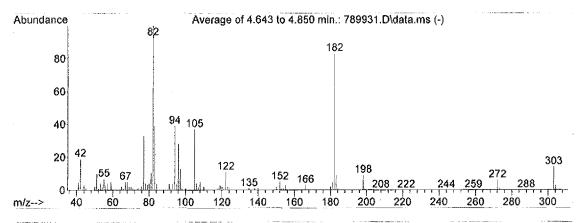
Minimum Quality: 80

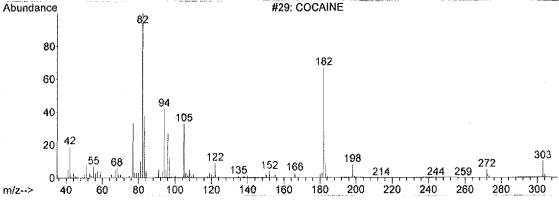
C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
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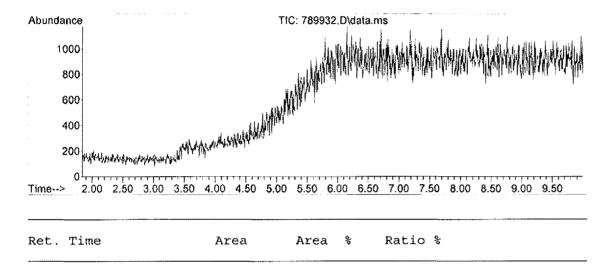


File Name : C:\msdchem\1\System7\05\_26\_11\789932.D

Operator : ASD

Date Acquired : 27 May 2011 1:15

Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

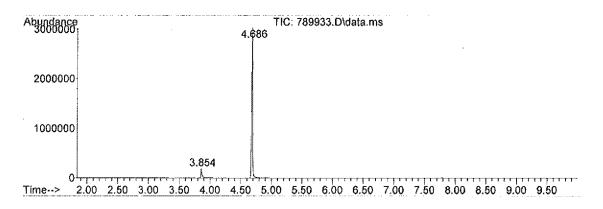
File Name : C:\msdchem\1\System7\05\_26\_11\789933.D

Operator : ASD

Date Acquired : 27 May 2011 1:27

Sample Name : Submitted by : ASD Vial Number : 33

AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.854		6.75	7.24
4.686		93.25	100.00

File Name : C:\msdchem\1\System7\05\_26\_11\789933.D

Operator : ASD

Date Acquired 27 May 2011 1:27

Sample Name Submitted by 33 Vial Number

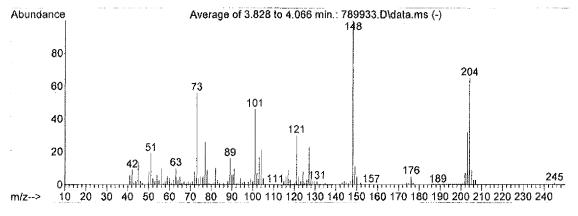
AcquisitionMeth: DRUGS.M Integrator : RTE

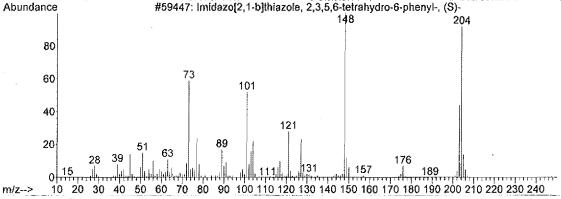
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST05a.L C:\Database\PMW\_TOX2.L Minimum Quality: 80

	•	· —
יייים	Tibrary/TD	

PK# CAS# Qual Library/ID 1 3,85 C:\Database\NIST05a.L Imidazo[2,1-b]thiazole, 2,3,5,6-tet 014769-73-4 98 Imidazo[2,1-b]thiazole, 2,3,5,6-tet 006649-23-6 98 Imidazo[2,1-b]thiazole, 2,3,5,6-tet 006649-23-6 98





File Name : C:\msdchem\1\System7\05\_26\_11\789933.D

Operator : ASD

Date Acquired : 27 May 2011 1:27

Sample Name :
Submitted by : ASD
Vial Number : 33
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Min:

C:\Database\SLI.L Minimum Quality: 80 C:\Database\NIST05a.L Minimum Quality: 80

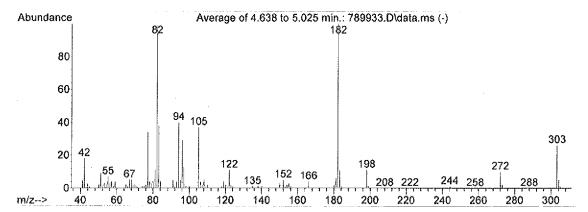
99

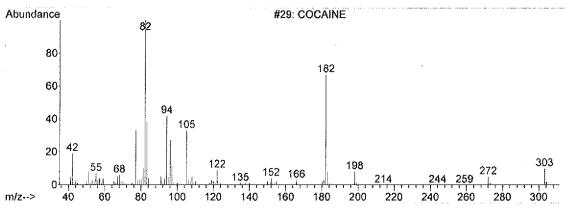
C:\Database\PMW TOX2.L

PK# RT Library/ID CAS# Qual

2 4.69 C:\Database\SLI.L

COCAINE 000050-36-2





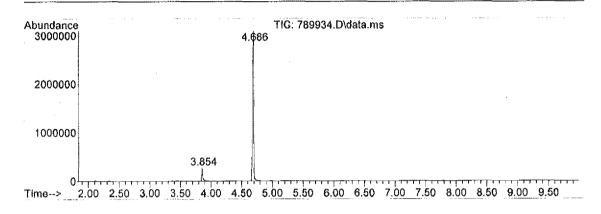
: C:\msdchem\1\System7\05\_26\_11\789934.D File Name

: ASD Operator

Date Acquired : 27 May 2011 1:40

Sample Name Submitted by

: ASD Vial Number 34 AcquisitionMeth: DRUGS.M : RTE Integrator



Ret. Time	Area	Area %	Ratio %	
3.854 4.686	= : ::	8.02 91.98	8.72 100.00	_

File Name : C:\msdchem\1\System7\05 26 11\789934.D

Operator : ASD

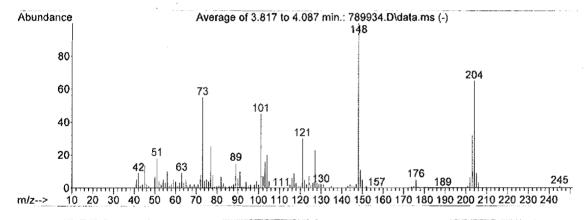
Date Acquired : 27 May 2011 1:40

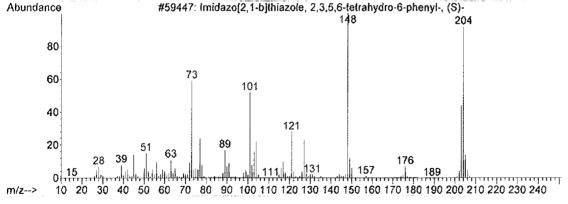
Sample Name :
Submitted by : ASD
Vial Number : 34
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80 C:\Database\NIST05a.L Minimum Quality: 80

C:\Database\PMW\_TOX2.L





File Name : C:\msdchem\1\System7\05\_26\_11\789934.D

Operator : ASD

Date Acquired 27 May 2011 1:40

Sample Name Submitted by : ASD Vial Number 34

AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST05a.L

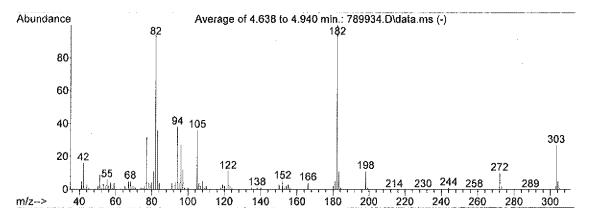
C:\Database\PMW TOX2.L

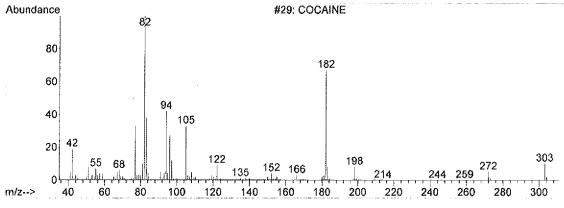
PK# RT Library/ID CAS# Qual

2 4.69 C:\Database\SLI.L

COCAINE

000050-36-2 99



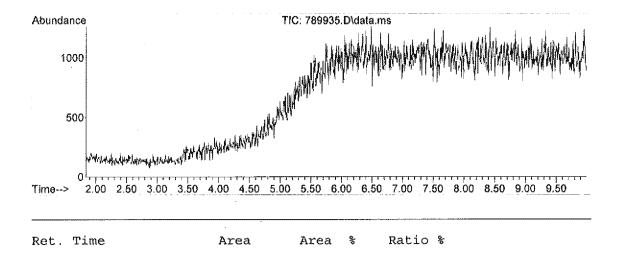


File Name : C:\msdchem\1\System7\05\_26\_11\789935.D

Operator : ASD

Date Acquired : 27 May 2011 1:52

Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



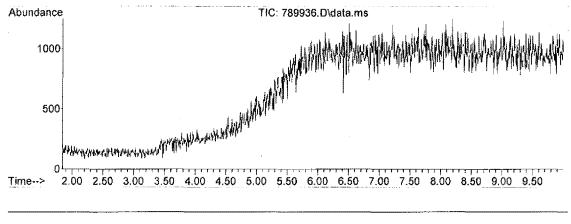
\*\*\*NO INTEGRATED PEAKS\*\*\*

File Name : C:\msdchem\1\System7\05\_26\_11\789936.D

Operator : ASD

Date Acquired : 27 May 2011 2:04

Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time

Area

Area 8

Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

### Area Percent / Library Search Report

Information from Data File:

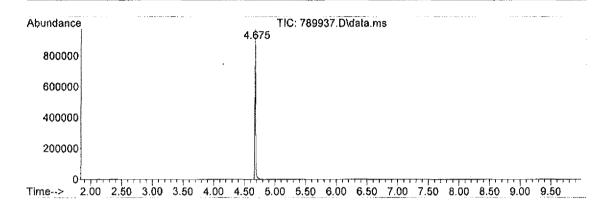
File Name : C:\msdchem\1\System7\05\_26\_11\789937.D

Operator : ASD

Date Acquired : 27 May 2011 2:17

Sample Name : COCAINE STD

Submitted by : ASD Vial Number : 15 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.675	900942	100.00	

File Name : C:\msdchem\1\System7\05 26 11\789937.D

Operator : ASD

Date Acquired : 27 May 2011 2:17

Sample Name : COCAINE STD

Submitted by : ASD
Vial Number : 15
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

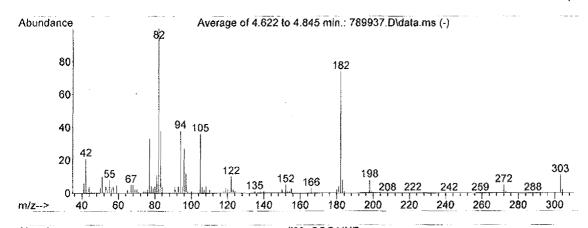
Minimum Quality: 80

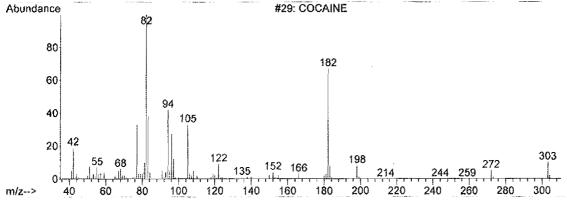
C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	4 (0	a Detelese OIT I		
1	4.68	C:\Database\SLI.L COCAINE	000050-36-2	99



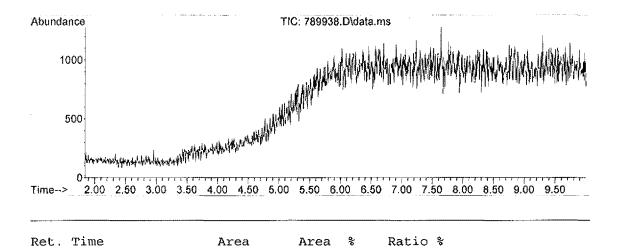


File Name : C:\msdchem\1\System7\05\_26\_11\789938.D

Operator : ASD

Date Acquired : 27 May 2011 2:29

Sample Name : BLANK Submitted by : ASD Vial Number : 2 AcquisitionMeth: DRUGS.M Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

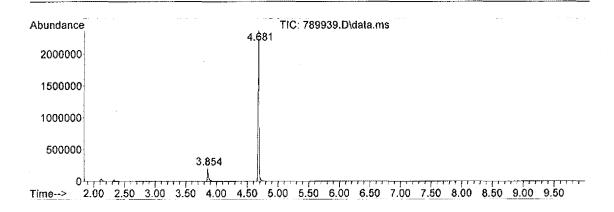
File Name : C:\msdchem\1\System7\05\_26\_11\789939.D

Operator : ASD

Date Acquired : 27 May 2011 2:42

Sample Name :

Submitted by : ASD
Vial Number : 39
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.854 4.681			12.00 100.00

File Name : C:\msdchem\1\System7\05 26 11\789939.D

Operator : ASD

Date Acquired : 27 May 2011 2:42

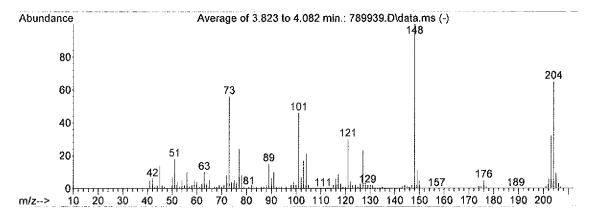
Sample Name : Submitted by : ASD Vial Number : 39 AcquisitionMeth: DRUG

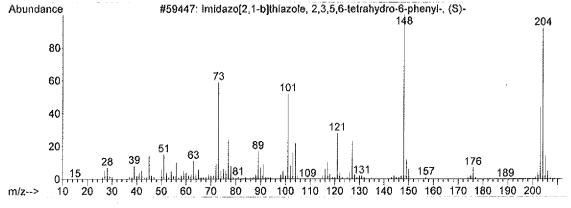
AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80

PK#	RT	Library/ID		CAS#	Qual
1	3.85	C:\Database\NIST05a.L Imidazo[2,1-b]thiazole, Imidazo[2,1-b]thiazole, Imidazo[2,1-b]thiazole,	2,3,5,6-tet	014769-73-4	98 98 98





File Name : C:\msdchem\1\System7\05\_26\_11\789939.D

Operator : ASD

Date Acquired : 27 May 2011 2:42

Sample Name :

Submitted by : ASD
Vial Number : 39
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

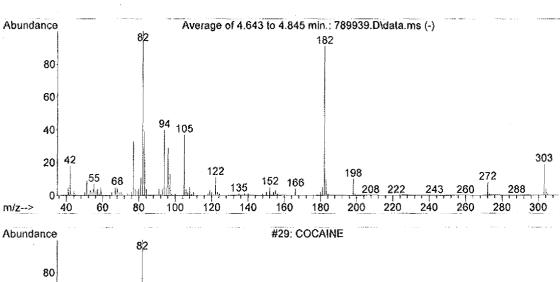
C:\Database\PMW\_TOX2.L

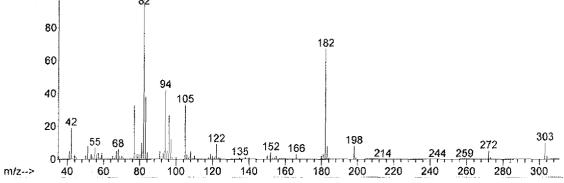
PK# RT Library/ID CAS# Qual

2 4.68 C:\Database\SLI.L

COCAINE

000050-36-2 99





File Name : C:\msdchem\1\System7\05\_26\_11\789940.D

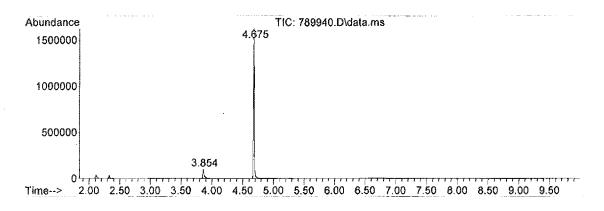
Operator : ASD

Date Acquired : 27 May 2011 2:54

Sample Name Submitted by Vial Number AcquisitionMeth: DRUGS.M

Integrator

: ASD 40 : RTE



Ret. Time	Area	Area %	Ratio %	
3.854 4.675		9.88 90.12	<del>-</del> -	

File Name : C:\msdchem\1\System7\05 26\_11\789940.D

Operator : ASD

Date Acquired : 27 May 2011 2:54

Sample Name :

Submitted by : ASD
Vial Number : 40
AcquisitionMeth: DRUGS.M
Integrator : RTE

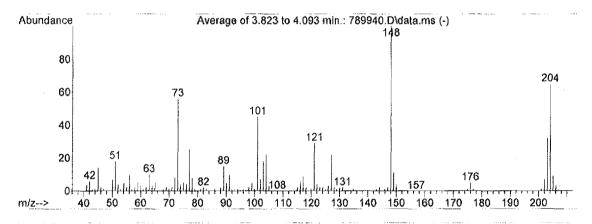
Search Libraries: C:\Database\SLI.L

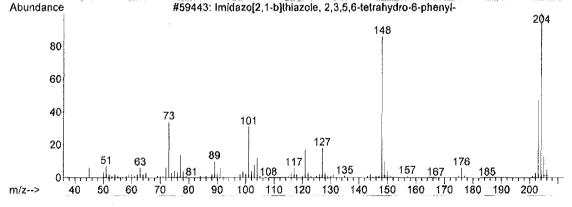
Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

PK#	RT'	Library/ID		CAS#	Qual
 1	3,85	C:\Database\NIST05a.L			
		Imidazo[2,1-b]thiazole,	2,3,5,6-tet	006649-23-6	98
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	014769-73-4	97





File Name : C:\msdchem\1\System7\05\_26\_11\789940.D

: ASD Operator

27 May 2011 Date Acquired 2:54

Sample Name

Submitted by ASD Vial Number 40 AcquisitionMeth: DRUGS.M : RTE Integrator

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST05a.L

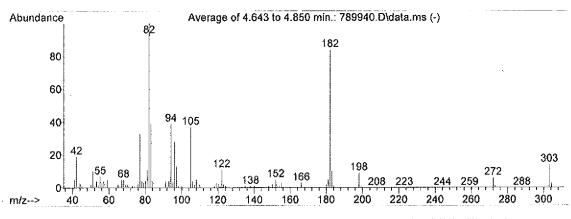
C:\Database\PMW TOX2.L

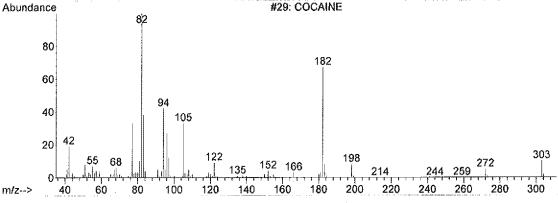
PK# RTCAS# Library/ID Qual

2 4.68 C:\Database\SLI.L

COCAINE

000050-36-2 99





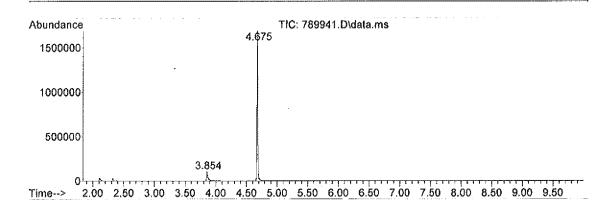
File Name : C:\msdchem\1\System7\05\_26\_11\789941.D

Operator : ASD

Date Acquired : 27 May 2011 3:07

Sample Name : Submitted by : ASD

Vial Number : 41
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.854		9.72	10.77
4.675		90.28	100.00

File Name : C:\msdchem\1\System7\05\_26\_11\789941.D

Operator : ASD

Date Acquired : 27 May 2011 3:07

Sample Name :
Submitted by : ASD
Vial Number : 41
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

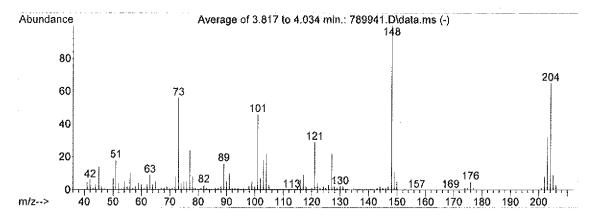
C:\Database\NIST05a.L

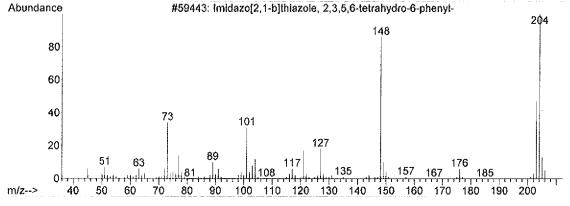
C:\Database\PMW\_TOX2.L

PK# RT Library/ID CAS# Qual

1 3.85 C:\Database\NIST05a.L

1 3.85 C:\Database\NIST05a.L Imidazo[2,1-b]thiazole, 2,3,5,6-tet 006649-23-6 98 Imidazo[2,1-b]thiazole, 2,3,5,6-tet 006649-23-6 98 Imidazo[2,1-b]thiazole, 2,3,5,6-tet 014769-73-4 97





Minimum Quality: 80

File Name : C:\msdchem\1\System7\05\_26\_11\789941.D

Operator : ASD

Date Acquired : 27 May 2011 3:07

Sample Name :
Submitted by : ASD
Vial Number : 41
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

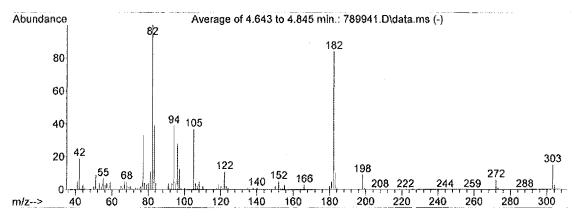
C:\Database\NIST05a.L

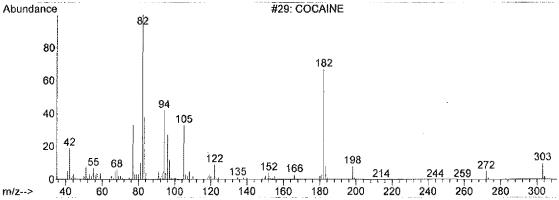
C:\Database\PMW TOX2.L

PK# RT Library/ID CAS# Qual

2 4.68 C:\Database\SLI.L

COCAINE





Minimum Quality: 80

000050-36-2

99

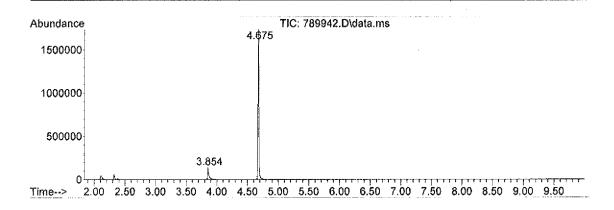
File Name : C:\msdchem\1\System7\05\_26\_11\789942.D

Operator : ASD

Date Acquired : 27 May 2011 3:19

Sample Name : Submitted by : ASD

Vial Number : 42 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.854	230012	11,12	12.51
4.675	1838460	88.88	100.00

File Name : C:\msdchem\1\System7\05\_26\_11\789942.D

Operator : ASD

Date Acquired : 27 May 2011 3:19

Sample Name :
Submitted by : ASD
Vial Number : 42
AcquisitionMeth: DRUG

AcquisitionMeth: DRUGS.M Integrator : RTE

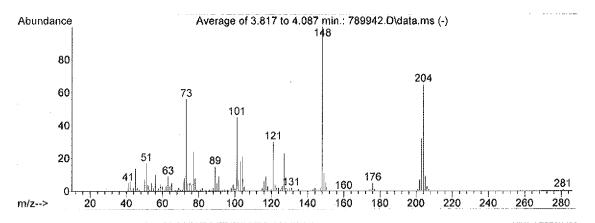
Search Libraries: C:\Database\SLI.L

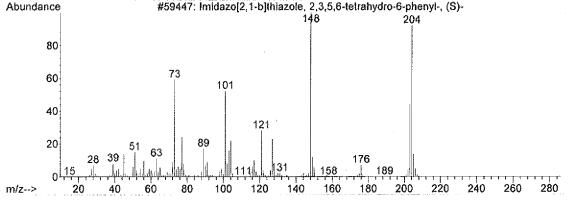
Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

PK#	RT	Library/ID		CAS#	Qual
 1	3.85	C:\Database\NIST05a.L			
		Imidazo[2,1-b]thiazole,	2,3,5,6-tet	014769-73-4	98
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98





File Name : C:\msdchem\1\System7\05 26 11\789942.D

Operator : ASD

Date Acquired : 27 May 2011 3:19

Sample Name : Submitted by : ASD Vial Number : 42

RT

PK#

AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

:\Database\SLI.L Minimum Quality: 80 :\Database\NIST05a.L Minimum Quality: 80

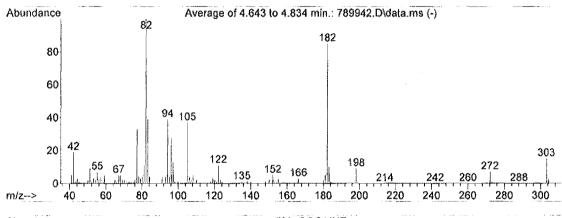
C:\Database\NIST05a.L
C:\Database\PMW TOX2.L

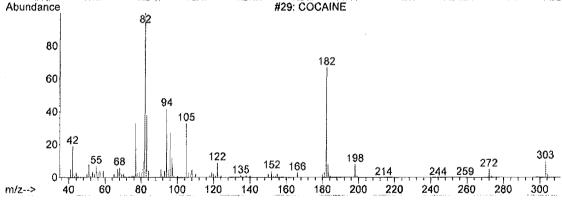
Library/ID CAS# Qual

2 4.68 C:\Database\SLI.L

COCAINE

000050-36-2 99



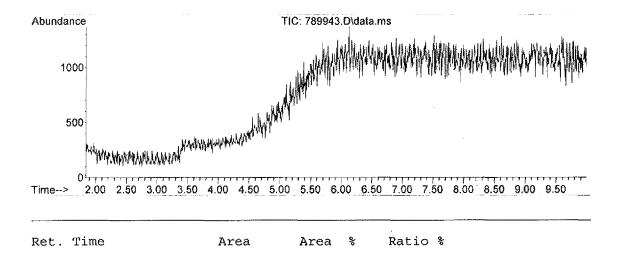


File Name : C:\msdchem\1\System7\05\_26\_11\789943.D

Operator : ASD

Date Acquired : 27 May 2011 3:32

Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

File Name : C:\msdchem\1\System7\05\_26\_11\789944.D

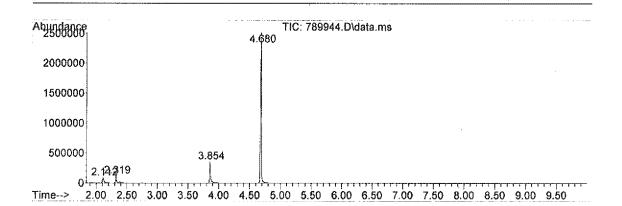
Operator : ASD

Date Acquired : 27 May 2011 3:44

Sample Name Submitted by : ASD Vial Number ; 44

Integrator

AcquisitionMeth: DRUGS.M : RTE



Ret. Time	Area	Area %	Ratio %	
2.112	155025	4.27	5.38	
2.319	129724	3.58	4.51	
3.854	463355	12.78	16.09	
4.680	2878921	79.37	100.00	

File Name : C:\msdchem\1\System7\05\_26\_11\789944.D

Operator : ASD

Date Acquired : 27 May 2011 3:44

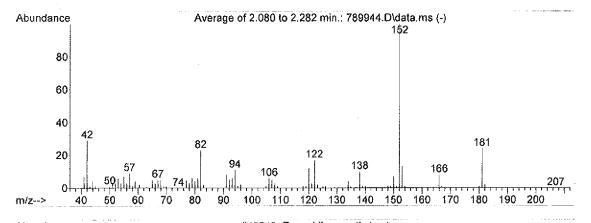
Sample Name : Submitted by : ASD Vial Number : 44 AcquisitionMeth: DRUG

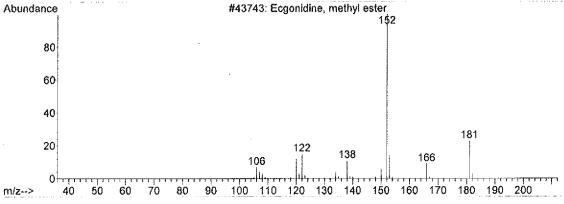
AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80 C:\Database\NIST05a.L Minimum Quality: 80

PK	# RT	Library/ID	CAS#	Qual
1.	2,11	C:\Database\NIST05a.L Ecgonidine, methyl ester 2-Carbomethoxy-8-methyl-8-azabicycl 3,5-Dimethoxyphenethylamine	127379-24-2 043021-26-7 003213-28-3	98 97 43





File Name : C:\msdchem\1\System7\05\_26\_11\789944.D

Operator : ASD

Date Acquired : 27 May 2011 3:44

Sample Name : ASD

Submitted by : ASD
Vial Number : 44
AcquisitionMeth: DRUGS.M
Integrator : RTE

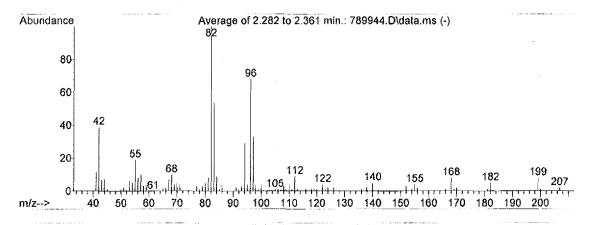
Search Libraries: C:\Database\SLI.L

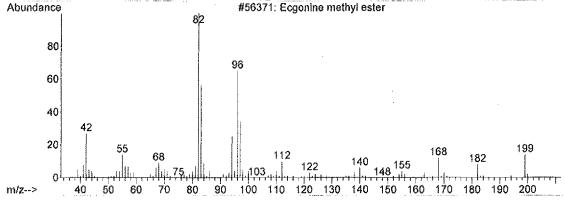
LI.L Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

	PK#	RT	Library/ID	CAS#	Qual
****	2	2.32	C:\Database\NIST05a.L Ecgonine methyl ester Ecgonine methyl ester	106293-60-1 106293-60-1	97 96
			Pseudoecgonine methyl ester	099189-88-5	96





File Name : C:\msdchem\1\System7\05\_26\_11\789944.D

Operator : ASD

27 May 2011 Date Acquired 3:44

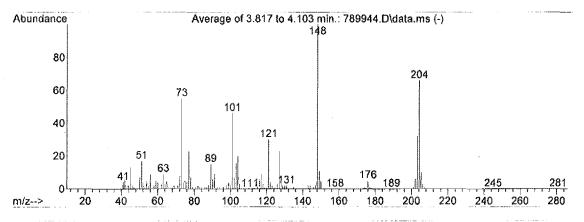
Sample Name Submitted by ASD

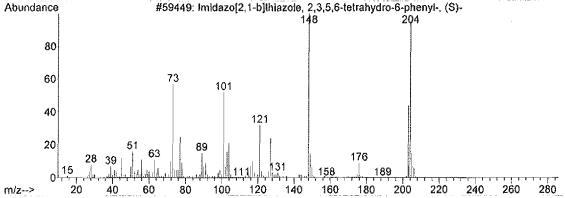
Vial Number 44 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: Minimum Quality: 80 C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST05a.L

PK#	RT	Library/ID		CAS#	Qual
3	3.85	C:\Database\NIST05a.L			
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	014769-73-4	98
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	014769-73-4	98
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98





File Name : C:\msdchem\1\System7\05\_26\_11\789944.D

Operator : ASD

Date Acquired 27 May 2011 3:44

Sample Name

Submitted by ASD Vial Number 44 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST05a.L

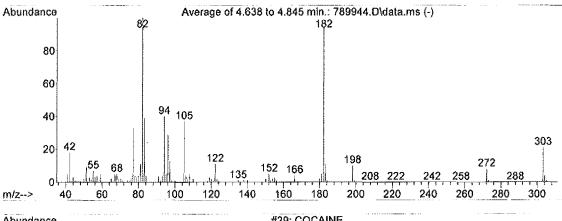
Minimum Quality: 80

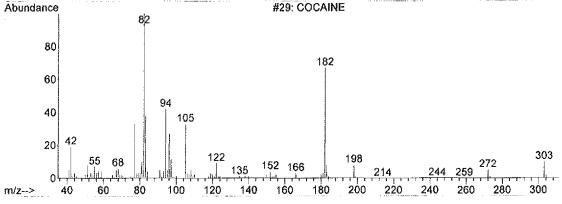
C:\Database\PMW\_TOX2.L

PK# RT Library/ID CAS# Qual

C:\Database\SLI.L 4 4.68 COCAINE

000050-36-2 99





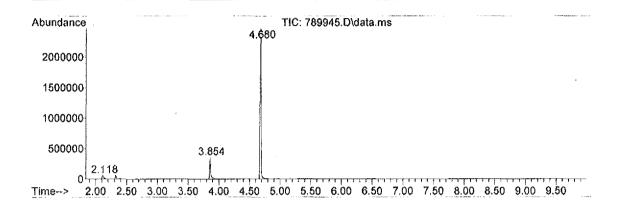
File Name : C:\msdchem\1\System7\05\_26\_11\789945.D

Operator : ASD

Date Acquired : 27 May 2011 3:57

Sample Name

Submitted by : ASD
Vial Number : 45
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
2.118	119333	3.51	4.24	
3.854	467426	13.76	16.63	
4.680	2811437	82.73	100.00	

File Name : C:\msdchem\1\System7\05\_26\_11\789945.D

Operator : ASD

Date Acquired : 27 May 2011 3:57

Sample Name : Submitted by : ASD Vial Number : 45

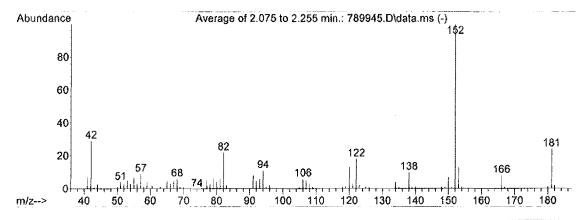
AcquisitionMeth: DRUGS.M Integrator : RTE

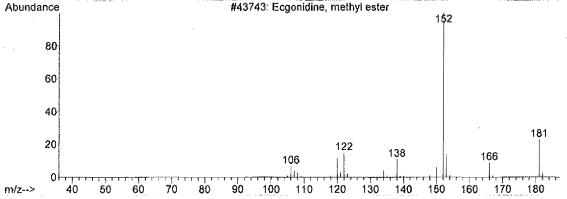
Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST05a.L

	PK#	RT	Library/ID	CAS#	Qual
_	1	2.12	C:\Database\NIST05a.L	108180 04 0	98
			Ecgonidine, methyl ester 2-Carbomethoxy-8-methyl-8-azabicycl	127379-24-2 043021-26-7	98 97
			Benzeneethanamine, 3,4-dimethoxy-	000120-20-7	43





File Name : C:\msdchem\1\System7\05\_26\_11\789945.D

Operator : ASD

Date Acquired : 27 May 2011 3:57

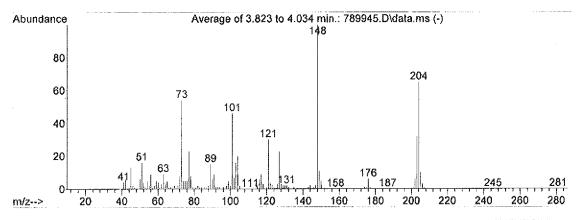
Sample Name :

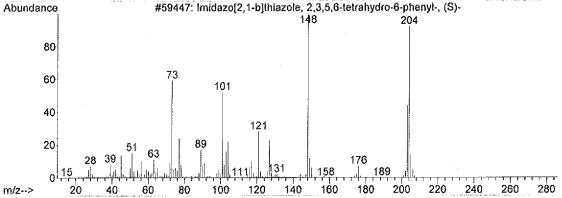
Submitted by : ASD
Vial Number : 45
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80

PK#	RT	Library/ID		CAS#	Qual
2	3.85	C:\Database\NIST05a.L			
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	014769-73-4	99
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	014769-73-4	98
		Imidazo[2,1~b]thiazole,	2,3,5,6-tet	006649-23-6	98





File Name : C:\msdchem\1\System7\05\_26\_11\789945.D

Operator : ASD

Date Acquired : 27 May 2011 3:57

Sample Name Submitted by : ASD

Vial Number . : 45 AcquisitionMeth: DRUGS.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 Minimum Quality: 80

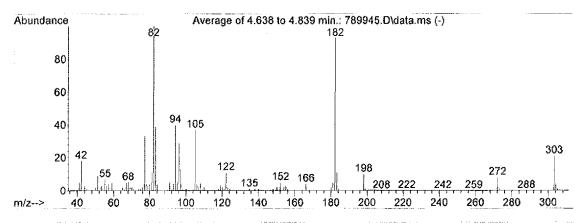
C:\Database\NIST05a.L C:\Database\PMW TOX2.L

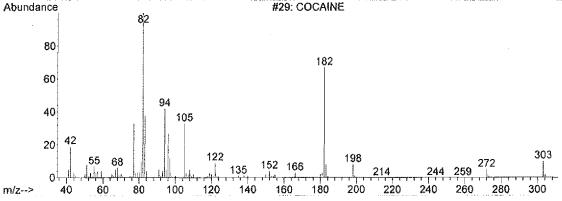
PK# CAS# RTLibrary/ID Qual

4.68 C:\Database\SLI.L 3

COCAINE

000050-36-2 99





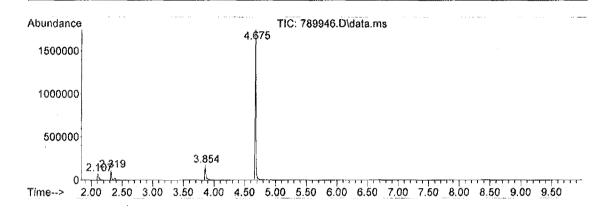
File Name : C:\msdchem\1\System7\05\_26\_11\789946.D

Operator : ASD

Date Acquired : 27 May 2011 4:09

Sample Name :

Submitted by : ASD
Vial Number : 46
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
2.107	129353	5.47	7.05	
2.319	122748	5.19	6.69	
3.854	276427	11.69	15.06	
4.675	1835748	77.65	100.00	

File Name : C:\msdchem\1\System7\05\_26\_11\789946.D

Operator : ASD

Date Acquired : 27 May 2011 4:09

Sample Name : Submitted by : ASD

Vial Number : 46 AcquisitionMeth: DRUGS.M Integrator : RTE

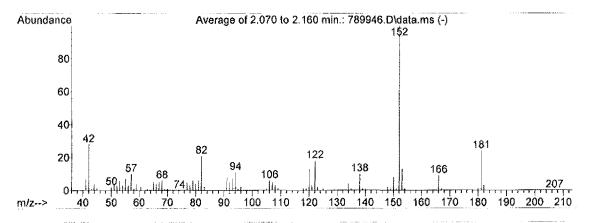
Search Libraries: C:\Database\SLI.L

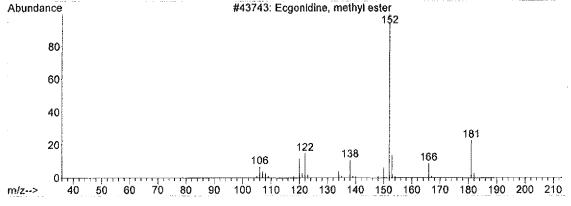
Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

PK#	RT	Library/ID	CAS#	Qual
 1	2.11	C:\Database\NIST05a.L Ecgonidine, methyl ester 2-Carbomethoxy-8-methyl-8-azabicycl 2,6-Dimethoxytoluene	127379-24-2 043021-26-7 005673-07-4	98 97 38





File Name : C:\msdchem\1\System7\05 26 11\789946.D

Operator : ASD

Date Acquired : 27 May 2011 4:09

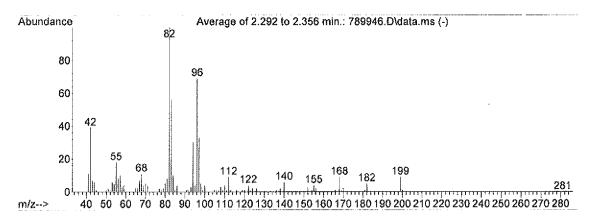
Sample Name : Submitted by : ASD

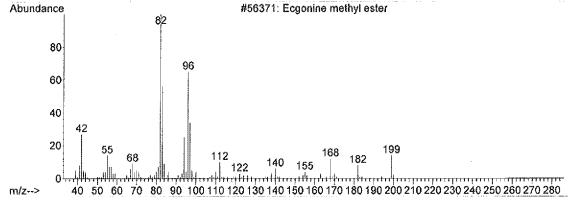
Submitted by : ASD
Vial Number : 46
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80 C:\Database\NIST05a.L Minimum Quality: 80

PK#	RT	Library/ID	CAS#	Qual
2	2.32	C:\Database\NIST05a.L Ecgonine methyl ester Pseudoecgonine methyl ester Ecgonine methyl ester	106293-60-1 099189-88-5 106293-60-1	97 97 96





File Name : C:\msdchem\1\System7\05\_26\_11\789946.D

Operator : ASD

Date Acquired 27 May 2011 4:09

Sample Name Submitted by : ASD Vial Number 46

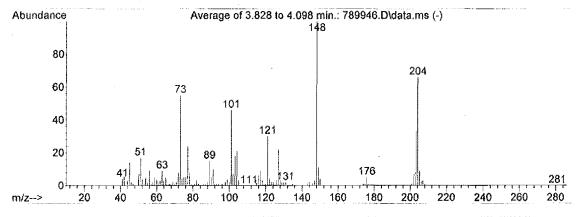
AcquisitionMeth: DRUGS.M Integrator : RTE

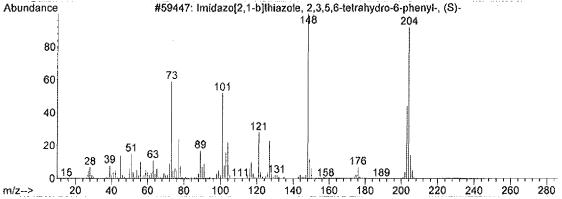
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

PK#	RT	Library/ID		CAS#	Qual
3	3.85	C:\Database\NIST05a.L			
		<pre>Imidazo(2,1-b)thiazole,</pre>	2,3,5,6-tet	014769-73-4	98
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98
		Imidazo[2.1-b]thiazole.	2.3.5.6-tet	006649-23-6	98





File Name : C:\msdchem\1\System7\05\_26\_11\789946.D

Operator : ASD

Date Acquired : 27 May 2011 4:09

Sample Name :

Submitted by : ASD
Vial Number : 46
AcquisitionMeth: DRUGS.M
Integrator : RTE

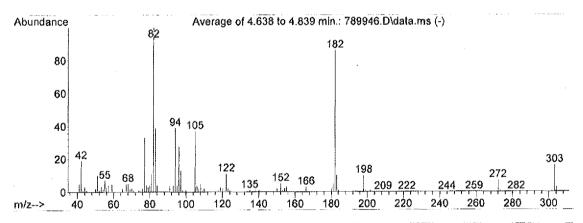
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

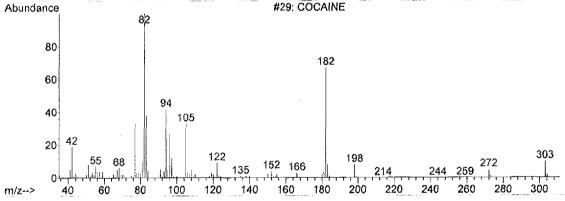
C:\Database\NIST05a.L Minimum Quality: 80

C:\Database\PMW TOX2.L

PK# RT Library/ID CAS# Qual

4 4.68 C:\Database\SLI.L COCAINE 000050-36-2 99





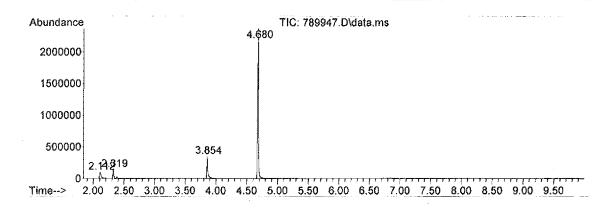
File Name : C:\msdchem\1\System7\05\_26\_11\789947.D

Operator : ASD

Date Acquired : 27 May 2011 4:22

Sample Name : Submitted by : ASD Vial Number : 47

AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
2.112	169917	4.98	6.46	
2.319	151703	4.44	5.77	
3.854	463833	13.59	17.65	
4.680	2628672	76.99	100.00	

File Name : C:\msdchem\1\System7\05\_26\_11\789947.D

Operator : ASD

Date Acquired : 27 May 2011 4:22

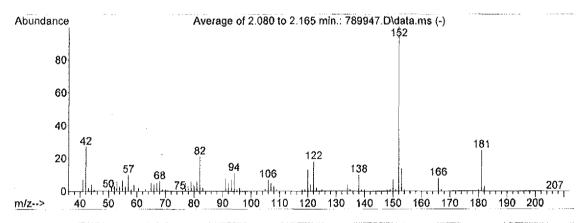
Sample Name :

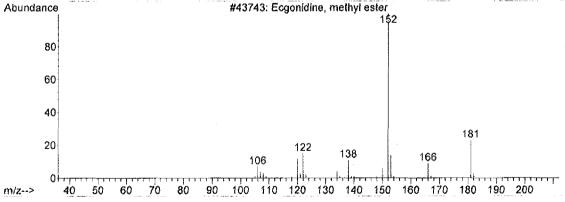
Submitted by : ASD
Vial Number : 47
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST05a.L Minimum Quality: 80

	PK#	RT	Library/ID	CAS#	Qual
_	1	2.11	C:\Database\NIST05a.L		111111111111111111111111111111111111111
			Ecgonidine, methyl ester	127379-24-2	98
			2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	97
			1.4-Benzenediol 2.3.5-trimethyl-	000700-13-0	43





: C:\msdchem\1\System7\05\_26 11\789947.D File Name

: ASD Operator

Date Acquired 27 May 2011 4:22

Sample Name Submitted by Vial Number

Integrator

ASD 47 AcquisitionMeth: DRUGS.M : RTE

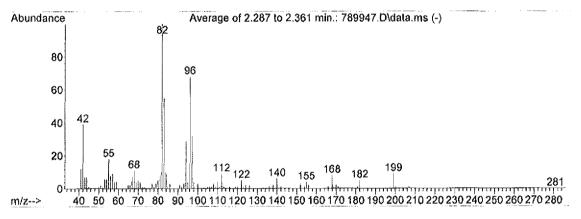
C:\Database\SLI.L Search Libraries:

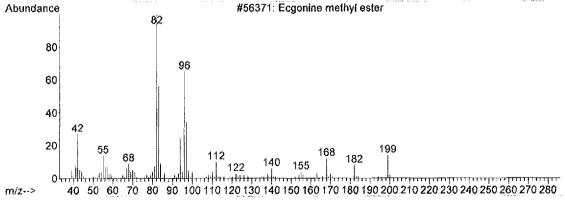
Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

PK	‡ RT	Library/ID	CAS#	Qual
2	2.32	C:\Database\NIST05a.L Ecgonine methyl ester Pseudoecgonine methyl ester Ecgonine methyl ester	106293-60-1 099189-88-5 106293-60-1	98 95 95





File Name : C:\msdchem\1\System7\05 26 11\789947.D

Operator : ASD

Date Acquired : 27 May 2011 4:22

Sample Name : Submitted by : ASD Vial Number : 47

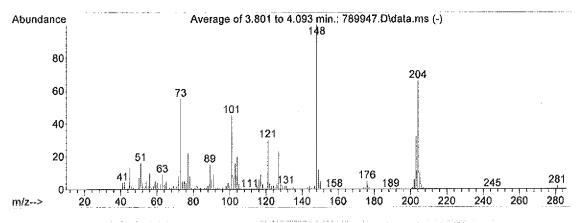
AcquisitionMeth: DRUGS.M

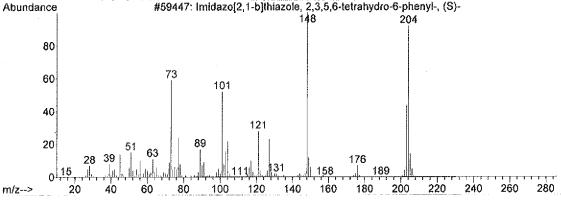
Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80 C:\Database\NIST05a.L Minimum Quality: 80

	PK#	RT	Library/ID		CAS#	Qual
*****	3	3.85	C:\Database\NIST05a.L Imidazo[2,1-b]thiazole,	2 3 5 6-tet	014769-73-4	99
			<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98
			Imidazo[2,1-b]thiazole,	2,3,5,6-tet	006649-23-6	98





File Name : C:\msdchem\1\System7\05 26 11\789947.D

Operator : ASD

Date Acquired : 27 May 2011 4:22

Sample Name

Submitted by : ASD Vial Number 47 : AcquisitionMeth: DRUGS.M : RTE Integrator

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST05a.L

C:\Database\PMW TOX2.L

PK# RTLibrary/ID CAS# Qual

4.68 C:\Database\SLI.L. 4

COCAINE

105

100

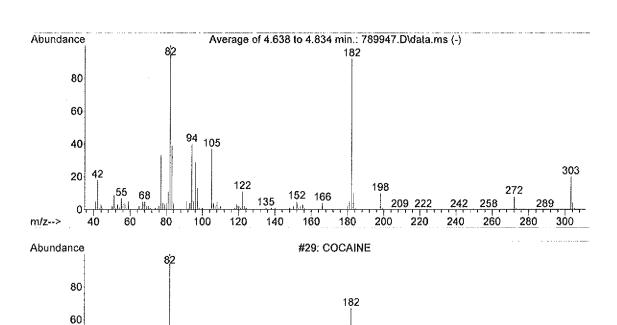
122

120

000050-36-2 99

303

300



152 166

160

180

198

200

40

m/z-->

42 20

40

55 68

80

259

260

280

240

Ratio %

Information from Data File:

File Name : C:\msdchem\1\System7\05\_26\_11\789953.D

Operator : ASD

Date Acquired : 27 May 2011

Area

5:36

Sample Name Submitted by : BLANK : ASD

Vial Number

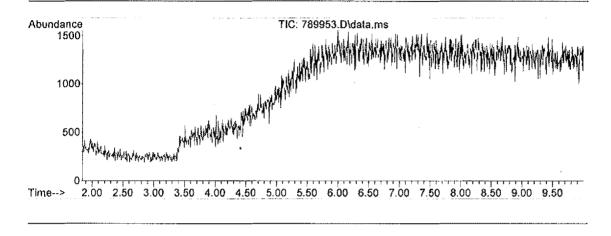
AcquisitionMeth: DRUGS.M

2

Ret. Time

Integrator

: RTE



Area %

\*\*\*NO INTEGRATED PEAKS\*\*\*

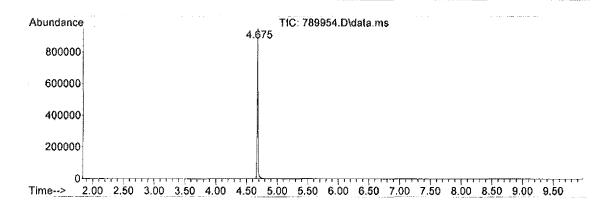
File Name : C:\msdchem\1\System7\05\_26\_11\789954.D

Operator : ASD

Date Acquired : 27 May 2011 5:49

Sample Name : COCAINE STD

: ASD Submitted by Vial Number 15 AcquisitionMeth: DRUGS.M Integrator : RTE



•				
Ret. Time	Area	Area %	Ratio %	
4.675	871526	100.00	100.00	

File Name : C:\msdchem\1\System7\05 26 11\789954.D

Operator : ASD

Date Acquired : 27 May 2011 5:49

Sample Name : COCAINE STD

Submitted by : ASD
Vial Number : 15
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW\_TOX2.L

PK# RT Library/ID CAS# Qual

1 4.68 C:\Database\SLI.L

COCAINE

000050-36-2

99

